

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P218144

Luminaire Tested: **8TSNLED-LD5-98SL-LC-UNV-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P218144
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P35685)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8TSNLED-LD5-98SL-LC-UNV-L835-CD1-U
Description: LED STRIP LIGHT - SNLED SERIES 8FOOT

Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10277.0 lumens
Efficiency: N/A
Efficacy: 132.8 lumens/watt
Spacing Criteria (0/90/45): 1.59 / 1.17 / 1.18
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 8' x H: 0.17')
CIE Type: Direct

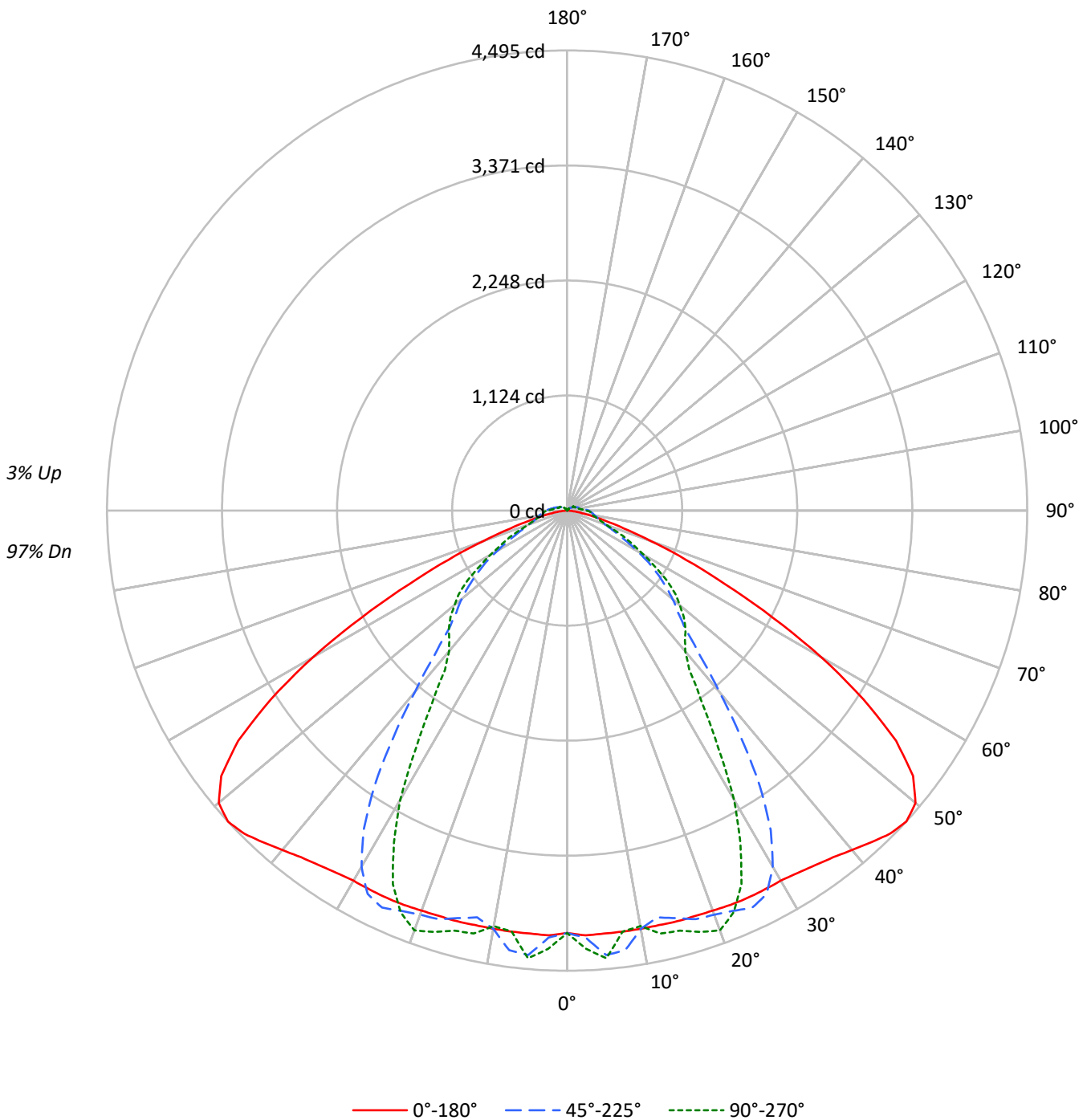
Input Watts (W): 77.38
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	99	99	99	97		
1	109	105	101	98	106	102	99	96	97	95	92	93	91	89	89	87	85	85	85	85	85	85	85	83		
2	100	93	87	82	98	91	85	81	87	82	78	83	79	76	80	77	74	74	74	74	74	74	74	72		
3	93	83	76	70	90	81	75	69	78	72	67	75	70	66	72	68	64	64	64	64	64	64	64	62		
4	85	75	67	60	83	73	66	60	70	64	59	68	62	58	65	60	56	56	56	56	56	56	56	54		
5	79	67	59	53	77	66	58	53	64	57	52	61	55	51	59	54	50	50	50	50	50	50	50	48		
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	54	49	45	45	45	45	45	45	45	43		
7	68	56	48	42	66	55	47	42	53	46	41	51	45	41	50	44	40	40	40	40	40	40	40	38		
8	64	51	43	38	62	50	43	37	49	42	37	47	41	37	46	40	36	36	36	36	36	36	36	34		
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	33	33	33	33	33	33	31		
10	56	44	36	31	55	43	36	31	42	35	31	41	35	30	40	34	30	30	30	30	30	30	30	28		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	33249	33249	33249
5°	33485	33153	32645
10°	33809	30102	28664
15°	34448	28806	27943
20°	35384	28520	27428
25°	36749	28461	24414
30°	38370	26374	19224
35°	40973	21432	13320
40°	44721	15151	10252
45°	49814	10784	9314
50°	54328	9068	8208
55°	53493	7454	6842
60°	44639	5647	5116
65°	31080	4090	3761
70°	19559	3113	2578
75°	11234	2658	2041
80°	6542	2490	1755
85°	3142	2416	1760



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	405.6	3.9
10°-20°	1194.7	11.6
20°-30°	1898.4	18.5
30°-40°	2046.9	19.9
40°-50°	1764.2	17.2
50°-60°	1335.6	13.0
60°-70°	721.6	7.0
70°-80°	342.7	3.3
80°-90°	215.2	2.1
90°-100°	136.9	1.3
100°-110°	87.6	0.9
110°-120°	58.7	0.6
120°-130°	38.7	0.4
130°-140°	18.9	0.2
140°-150°	8.1	0.1
150°-160°	2.9	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-30°	3498.7	34.0
0°-40°	5545.7	54.0
0°-60°	8645.5	84.1
0°-90°	9925.0	96.6
90°-120°	283.2	2.8
90°-150°	348.9	3.4
90°-180°	352.0	3.4
0°-180°	10277.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4127	4127	4127	4127	4127	
5°	4148	4237	4358	4416	4390	396
15°	4153	4264	4122	4264	4248	1177
25°	4174	4095	4279	4164	4027	1931
35°	4227	4069	3280	2508	2303	2662
45°	4463	2797	1630	1614	1635	3436
55°	3922	1209	1078	1178	1183	3411
65°	1703	515	547	615	620	1749
75°	389	268	315	315	310	458
85°	42	163	242	242	237	61
90°	0	126	210	205	189	2
95°	0	100	168	152	142	0
105°	0	63	116	105	95	0
115°	0	37	79	79	79	0
125°	0	21	53	68	63	0
135°	0	10	32	37	37	0
145°	0	5	16	21	16	0
155°	0	5	5	10	5	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4126.8	4126.8	4126.8	4126.8	4126.8
2.5°	4153.1	4158.3	4174.1	4253.0	4284.5
5°	4147.8	4237.2	4358.1	4415.9	4389.6
7.5°	4147.8	4331.8	4331.8	4221.4	4147.8
10°	4147.8	4384.4	4147.8	4126.8	4121.5
12.5°	4147.8	4352.8	4069.0	4216.2	4231.9
15°	4153.1	4263.5	4121.5	4263.5	4247.7
17.5°	4153.1	4158.3	4184.6	4295.0	4316.0
20°	4158.3	4090.0	4200.4	4379.1	4363.4
22.5°	4168.8	4079.5	4231.9	4342.3	4247.7
25°	4174.1	4095.2	4279.2	4163.6	4026.9
27.5°	4174.1	4116.3	4221.4	3890.2	3664.2
30°	4174.1	4126.8	4016.4	3511.7	3259.4
32.5°	4195.1	4116.3	3701.0	3017.5	2744.2
35°	4226.7	4069.0	3280.4	2507.6	2302.6
37.5°	4268.7	3942.8	2786.2	2097.6	1960.9
40°	4326.6	3669.4	2313.1	1834.7	1792.7
42.5°	4394.9	3269.9	1924.1	1703.3	1703.3
45°	4463.2	2796.8	1629.7	1613.9	1634.9
47.5°	4494.8	2334.1	1466.7	1524.5	1545.6
50°	4442.2	1903.1	1345.8	1424.7	1435.2
52.5°	4258.2	1519.3	1209.1	1303.7	1330.0
55°	3921.8	1209.1	1077.7	1177.6	1182.8
57.5°	3432.9	962.0	941.0	1019.9	1014.6
60°	2870.4	778.0	788.6	867.4	867.4
62.5°	2265.8	630.8	662.4	730.7	725.5
65°	1703.3	515.2	546.7	615.1	620.3
67.5°	1256.4	425.8	462.6	509.9	499.4
70°	877.9	357.5	394.3	420.6	410.1
72.5°	583.5	304.9	347.0	357.5	352.2
75°	389.0	268.1	315.4	315.4	310.2
77.5°	252.3	236.6	294.4	289.1	278.6
80°	157.7	210.3	273.4	262.9	252.3
82.5°	94.6	184.0	257.6	247.1	236.6
85°	42.1	163.0	241.8	241.8	236.6
87.5°	15.8	147.2	226.1	231.3	220.8
90°	0.0	126.2	210.3	205.0	189.3
92.5°	0.0	115.7	189.3	173.5	163.0
95°	0.0	99.9	168.2	152.5	141.9
97.5°	0.0	89.4	152.5	136.7	126.2
100°	0.0	78.9	136.7	120.9	110.4
102.5°	0.0	68.3	126.2	110.4	105.1
105°	0.0	63.1	115.7	105.1	94.6
107.5°	0.0	57.8	105.1	94.6	89.4
110°	0.0	47.3	94.6	89.4	84.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	42.1	84.1	84.1	84.1
115°	0.0	36.8	78.9	78.9	78.9
117.5°	0.0	31.5	68.3	78.9	78.9
120°	0.0	31.5	63.1	73.6	73.6
122.5°	0.0	26.3	57.8	73.6	73.6
125°	0.0	21.0	52.6	68.3	63.1
127.5°	0.0	15.8	47.3	57.8	57.8
130°	0.0	15.8	42.1	52.6	47.3
132.5°	0.0	10.5	36.8	42.1	42.1
135°	0.0	10.5	31.5	36.8	36.8
137.5°	0.0	10.5	26.3	31.5	26.3
140°	0.0	5.3	21.0	26.3	21.0
142.5°	0.0	5.3	21.0	26.3	21.0
145°	0.0	5.3	15.8	21.0	15.8
147.5°	0.0	5.3	10.5	15.8	15.8
150°	0.0	5.3	10.5	15.8	10.5
152.5°	0.0	5.3	10.5	10.5	5.3
155°	0.0	5.3	5.3	10.5	5.3
157.5°	0.0	5.3	5.3	5.3	5.3
160°	5.3	5.3	5.3	5.3	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)